

AMS CHANGE REQUEST/DIRECTIVE

1. CR/DIR Number: AMS-02 / D-060

2. Date: 03/19/2007

3. Change Title: Phase II Flight Safety Hazard Report Baseline - AMS-02-F14 (03/19/2007)

4. Cost Impact: _____

5. Document(s) Affected: JSC 49978, "Phase II Flight Safety Data Package for the Alpha Magnetic Spectrometer - 02 (AMS-02)"

6. Weight Impact: _____

7. Schedule Impact: _____

8. Other Impacts: _____

9. Description Of Change:

Baseline Hazard Report (HR) AMS-02-F14 has been modified to address additions of extravehicular robot operations, this includes the addition of 3 additional causes to address the EBCS, Protrusion into adjacent payload space, and improper placement of grapple fixtures. EVA Contact temperature control has been modified to address the need for special contact analysis, the introduction of controls and verifications to address the new causes to the document, correction of graphics reflecting the ROEU Bracket, and the updated MAGIK analysis. Minor editorial changes as well as including robotic related abbreviations and acronyms were made.

10. Justification:

HR AMS-02-F14, "EVA Operations Hazard" provides a complete description of the AMS-02 Payload hazard associated with EVAs on or around the AMS-02. This HR is a part of a detailed safety analysis of the AMS-02 payload and all its detectors and subsystems that is presented in the complete JSC 49978. The HR documents that the payload meets the requirements of the current version of NSTS 1700.7 and NSTS 1700.7 ISS Addendum, para. 301; and is required to be submitted as part of the SDP (JSC 49978) to the PSRP 45 days prior to the Phase II Flight Safety Review. This HR must be signed and approved by the AMS-02 Project Manager prior to submittal for PSRP Review.

11. Action Required (To Implement This Change):

AMS-02 CCB Approval and AMS-02 Project Manager must sign hazard report prior to submittal to PSRP prior to April 05, 2007

12. Initiator/Organization: Leland Hill/ESCG

13. Organization Approval: EA

14. Disposition:

- ☐ Deferred
- ☒ Approved
- ☐ Approved With Changes Indicated
- ☐ Disapproved

15. Approval: _____

CCB Chairman/Date

3/19/07

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EVALUATOR LIST**

1. CRN: AMS-02 / D-060

2. Page 2 of 2

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